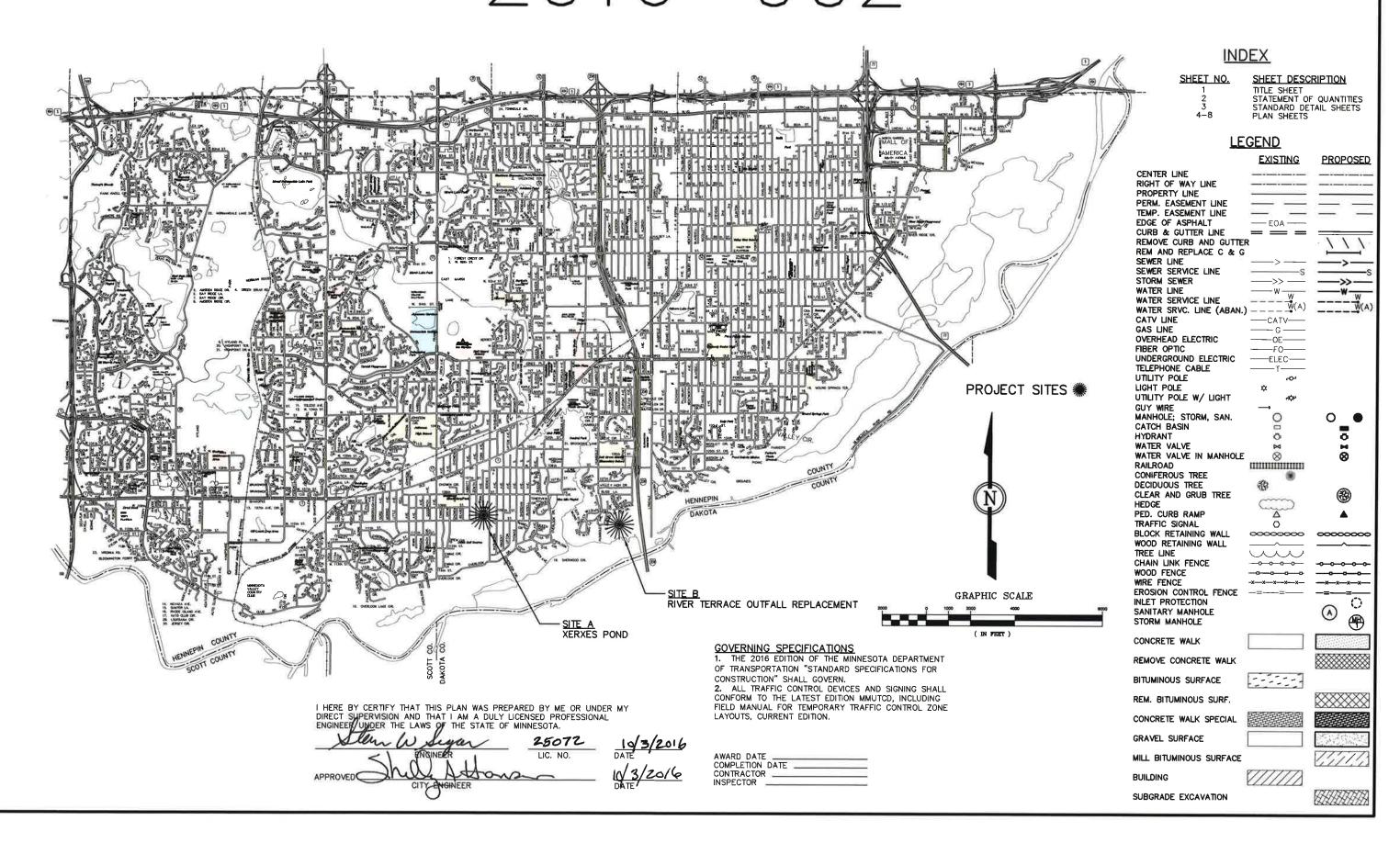
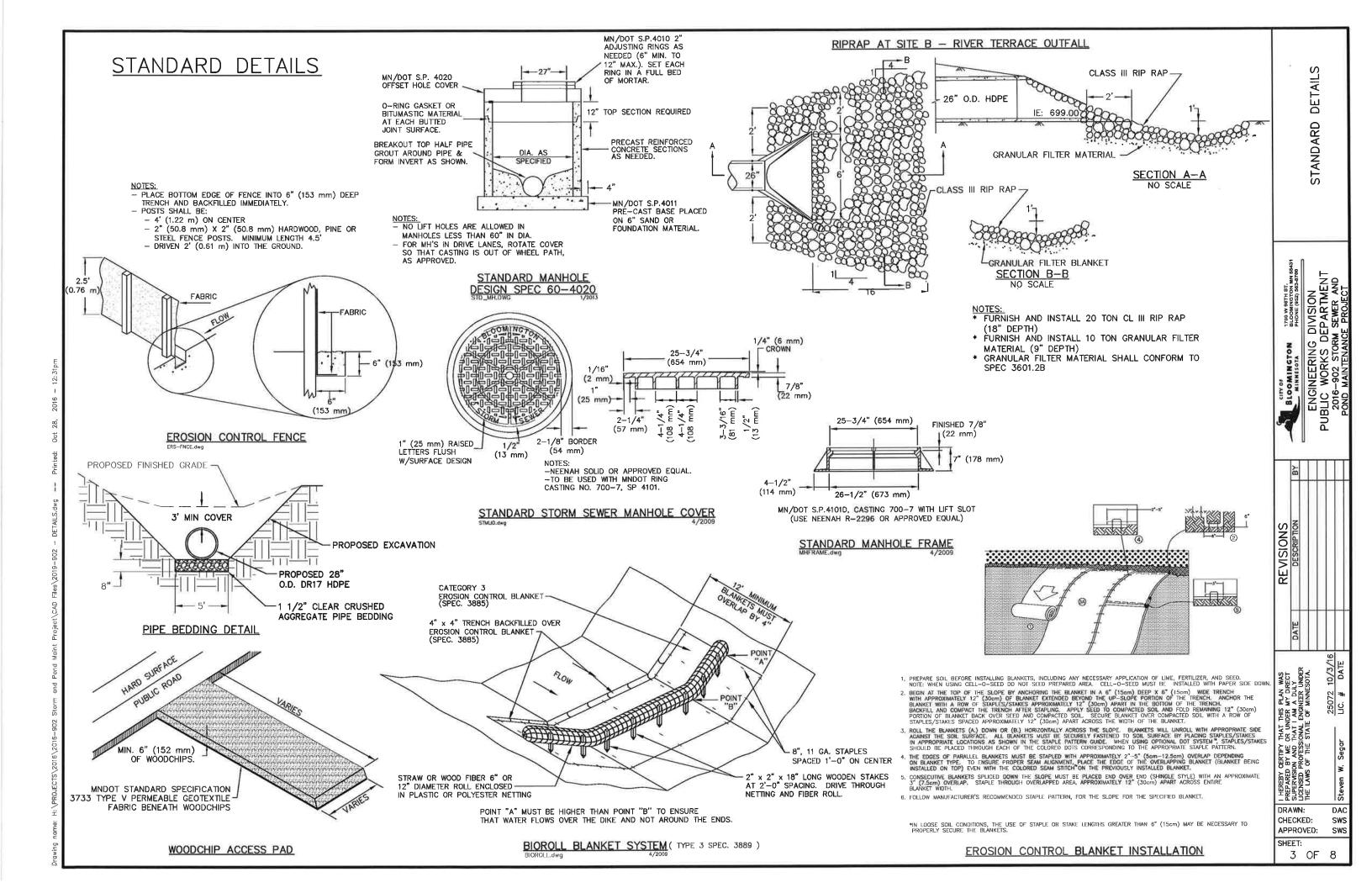
CITY OF BLOOMINGTON, ENGINEERING DIVISION CONSTRUCTION PLANS FOR: 2016-902

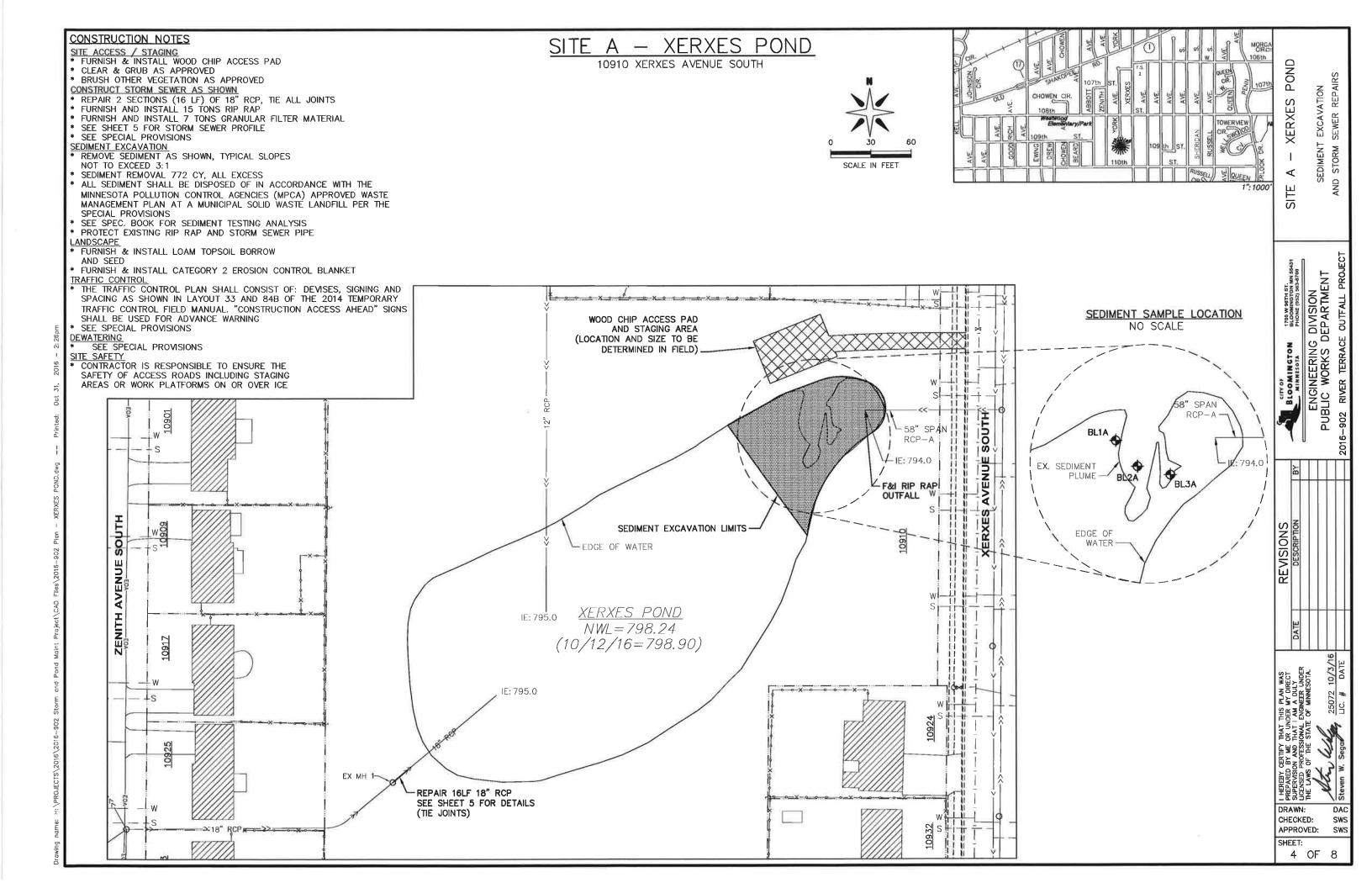
# STORM SEWER AND POND MAINTENANCE PROJECT

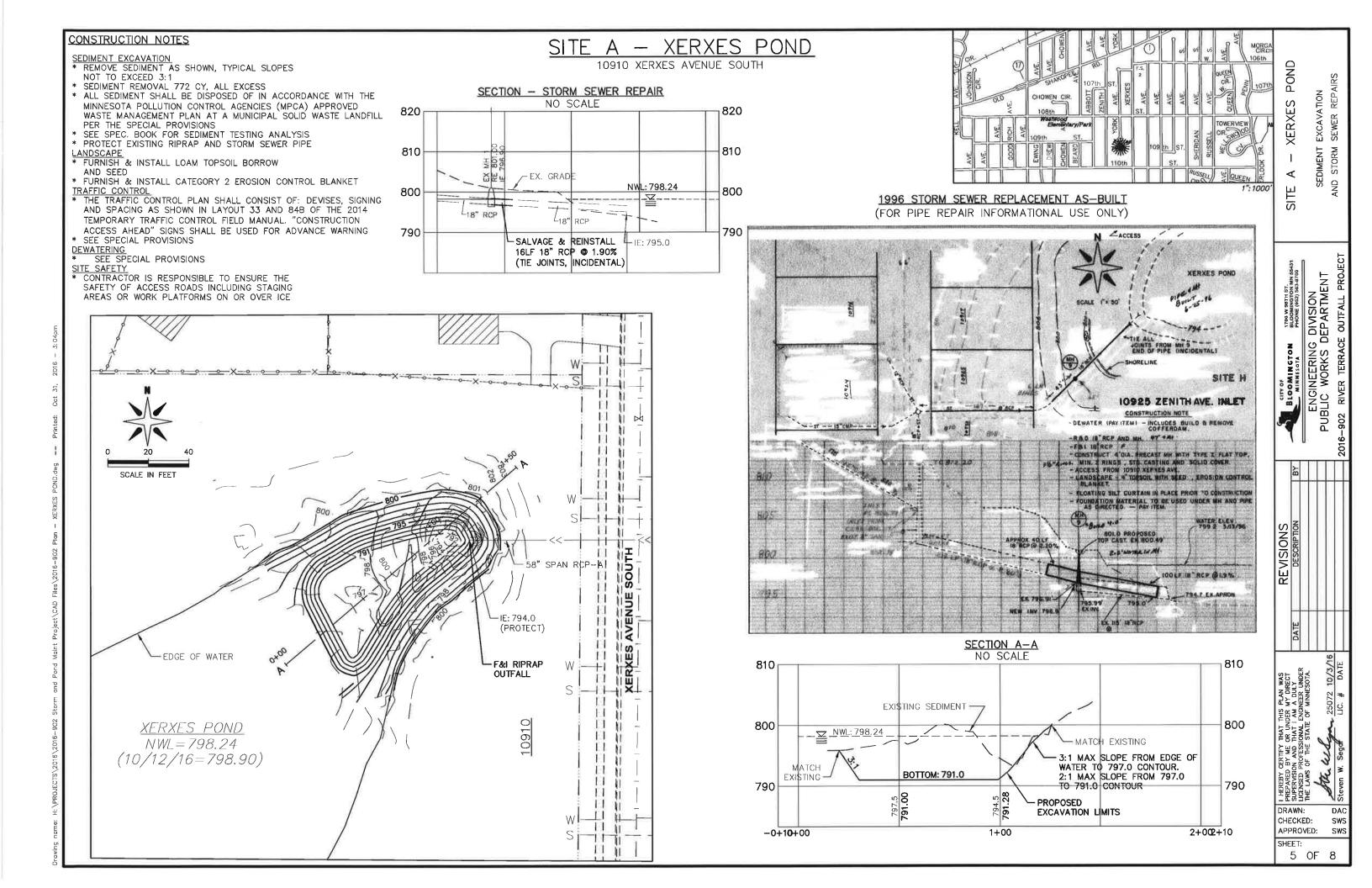


STATEMENT OF QUANTITIES

2016-902 Storm Sewer and Pond Maintenance Project			Project		XERXES POND		RIVER TERRACE OUTFALL	
Estimated Quantities			Total 10910			0 XERXES AVE S.		V. 110TH ST.
		Quantity		ity	Quantity		Quantity	
Item No.	Item Description	Unit	Estimated	Final	Estimated	Final	Estimated	Final
	MOBILIZATION	LUMP SUM	1	0	0.3		0.7	
	CLEARING	ACRE	1.8	0	0		1.8	
2101.506	GRUBBING	ACRE	1.8	0	0		1.8	
2104.501	REMOVE SEWER PIPE (STORM)	LIN FT	852	0	0		852	
2104.509	REMOVE MANHOLE	EACH	4		0		4	
2105.501	COMMON EXCAVATION (P)	CUYD	772	0	772		0	
2105.601	DEWATERING	LUMP SUM	1	0	1		0	
2211.501	COARSE FILTER AGGREGATE, 1-1/2" CLEAR LIMESTONE	TON	40	0	0		40	
2501.515	30" CAS PIPE APRON	EACH	1	0	0		1	
2503.603	26" HDPE PIPE SEW DR 32.5	LF	851	0	0		851	
2506.502	CONST DRAINAGE STRUCTURE DES 48-4020	EACH	2	0	0		2	
2506.502	CONST DRAINAGE STRUCTURE DES 84-4020	EACH	1	0	0		1	
2506.602	REPAIR EXISTING STORM SEWER (SPECIAL)	LIN FT	16	0	16		0	
2511.502	RANDOM RIPRAP CLASS III	TON	45	0	15		30	
2511.513	GRANULAR FILTER MATERIAL	TON	22	0	7		15	
2557.603	SNOW FENCE	LIN FT	120	0	0		120	
2563.601	TRAFFIC CONTROL	LUMP SUM	1	0	1		0	
2573.502	SILT FENCE, TYPE REGULAR DUTY	LF	300	0	0		300	
2573.540	FILTER LOG, 12" BIOROLL	LF	300	0	0		300	
2573.608	TEMPORARY WOOD CHIP CONSTRUCTION ENTRANCE	SQ YD	330	0	330		0	
2573.608	TEMPORARY ACCESS TRAIL (P)	SQ YD	3250	0	0		3250	
2574.525	COMMON TOPSOIL BORROW (LV)	CU YD	2170		0		2170	
2574.525	LOAM TOPSOIL BORROW (LV)	CU YD	36		36		0	
2575.523	EROSION CONTROL BLANKETS CATEGORY 2 (SPECIAL)	SQ YD	2430	0	330		2100	
2575.523	EROSION CONTROL BLANKETS CATEGORY 3 (SPECIAL)	SQ YD	4265	0	0		4265	
2575.605	SEED MIXTURE 25-151 (LAWN)	SQ YD	330	o	330		0	
2575.605	SEED MIXTURE 35-241 (MESIC PRAIRIE GENERAL)	SQ YD	6365	0	0		6365	







## CONSTRUCTION NOTES

## SITE ACCESS

- \* ACCESS SITE VIA RIVER SERVICE ROAD (LYNDALE AVE S. TERMINUS)
  THEN CREATE A TEMPORARY ACCESS TRAIL NORTH THROUGH CITY
  PROPERTY AS SHOWN ON MAP.
- TEMPORARY USE OF CULVERTS, FABRIC, WOODCHIPS, TREE DOWNFALL AND OTHER MATERIALS MAY BE REQUIRED TO CROSS SATURATED OR
- SEE SPECIAL PROVISIONS

\* GROUND WATER SEEPS FROM THE RAVINE ALONG THE PIPE ALIGNMENT TO A VARYING DEGREE DEPENDING ON RECENT WEATHER ACTIVITIES, GROUND WATER LEVELS AND TIME OF YEAR. DIVERSION OF WATER AND STREAM BYPASS CHANNELS MAY BE REQUIRED BY THE CONTRACTORS OPERATIONS, AS APPROVED BY THE ENGINEER (INCIDENTAL)

- TREE REMOVAL/ MANAGEMENT

  \* EXISTING DEAD TREE DOWNFALL CAN BE LEFT ON SITE AND PUSHED ASIDE AS NEEDED TO ALLOW FOR CONSTRUCTION.
- PAYMENT FOR CLEARING AND GRUBBING SHALL BE MADE FOR THE AREA (PER ACRE) MEASURED 10 FEET BEYOND THE OUTSIDE TRUNK OF QUALIFYING TREES. THIS AREA SHALL BE MEASURED AROUND THE PERIMETER OF DISTURBED AREAS WITHIN THE CONSTRUCTION LIMITS AND STAGING AREA

- CONSTRUCT STORM SEWER AS SHOWN
  \* REMOVE 845 LF STORM SEWER PIPE (24" CMP)
- REMOVE 4 MANHOLES
- FURNISH AND INSTALL 851LF 26" DR32.5 FUSED HDPE
- MAINTAIN A MINIMUM PIPE BEND RADIUS OF 2 91' OR AS RECOMMENDED BY THE MANUFACTURER.
- MAINTAIN A MINIMUM PIPE COVERAGE OF 3' TO TOP OF PIPE
- FURNISH AND INSTALL TWO 48" DIA MANHOLE
- FURNISH AND INSTALL ONE 84" DIA MANHOLE
- \* FURNISH AND INSTALL 30 TONS CLASS III RIP RAP \* FURNISH AND INSTALL 15 TON GRANULAR FILTER MATERIAL
- SEE SPECIAL PROVISIONS

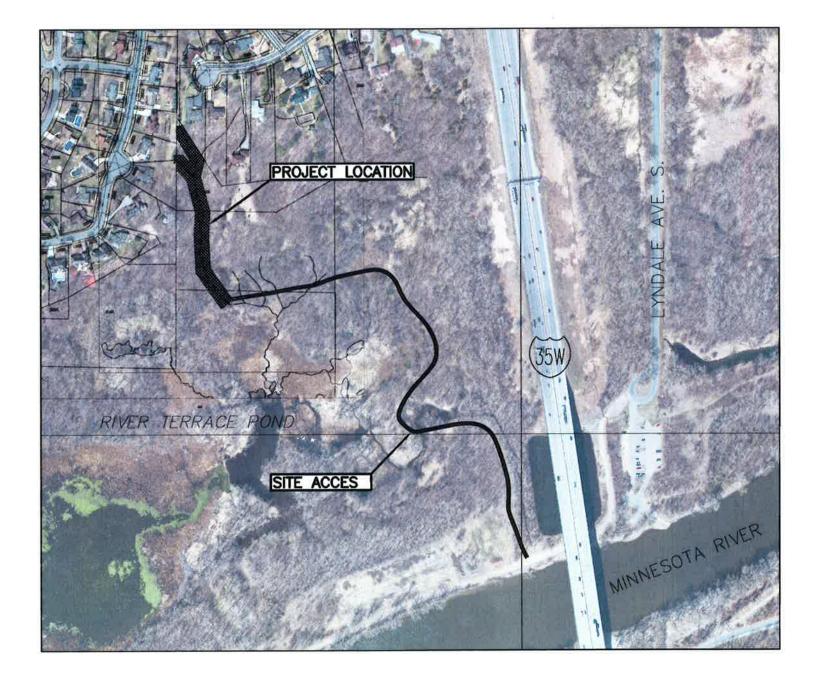
### SEDIMENT\_CONTROL

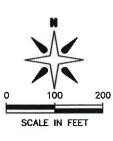
FURNISH AND INSTALL 300 LF SILT FENCE AS DIRECTED

- \* FURNISH AND INSTALL ROCK CHECK DAM AS DIRECTED
- FURNISH AND INSTALL TOP SOIL BORROW (ONLY SALVAGED NATIVE TOPSOIL SHALL BE USED SOUTH OF STATION 6+00)
- FURNISH AND INSTALL MNDOT SEED MIX 35-241 (MESIC PRAIRIE GENERAL) OVER ALL AREAS DISTURBED FROM CONSTRUCTION AT A RATE OF 36.5 LBS/ ACRE FURNISH AND INSTALL EROSION CONTROL BLANKET, CATEGORY 3
- (SPECIAL) OVER ALL AREAS DISTURBED BY CONSTRUCTION FROM STATION 0+00 TO 6+00
- FURNISH AND INSTALL EROSION CONTROL BLANKET CATEGORY 2 (SPECIAL) OVER ALL OTHER DISTURBED AREAS WITHIN THE CONSTRUCTION LIMITS
- FURNISH AND INSTALL 300 LF OF 12" DIAMETER WOOD FIBER SEDIMENT LOGS IN 60' LENGTHS SPACED 50' APART INSTALLED PARALLEL TO GRADE CONTOURS OR AS DIRECTED BY THE ENGINEER
- SITE SAFETY CONTRACTOR IS RESPONSIBLE TO ENSURE THE SAFETY OF ACCESS ROADS INCLUDING STAGING AREAS OR WORK PLATFORMS ON OR OVER

## SITE B - RIVER TERRACE OUTFALL

1200 WEST 110TH STREET





OUTF, TERRA( SITE LOCATION/ RIVER

DRAWN: DAC CHECKED:

APPROVED:

6 OF 8

SHEET:

SWS

## CONSTRUCTION NOTES

## CONSTRUCT STORM SEWER AS SHOWN

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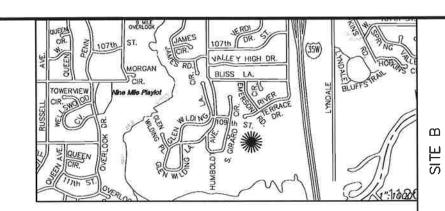
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## SITE B - RIVER TERRACE OUTFALL 1200 WEST 110TH STREET









OUTFALL

TERRACE

RIVER

